

FLO-BEADS EA-209, 2590-01-0-04E, 25 NOVEMBER 2003,

MATERIAL SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

<u>PRODUCT NAME</u>	FLO-BEADS EA-209
<u>NAME OF SUPPLIER</u>	SUMITOMO SEIKA CHEMICALS CO.,LTD Functional Polymers Division Functional Polymers Department.
<u>ADDRESS OF SUPPLIER</u>	5-33, 4-Chome, Kitahama, Chuoku, Osaka, Japan
<u>TELEPHONE NUMBER</u>	+81-6-6220-8549
<u>TELEFAX NUMBER</u>	+81-6-6220-8578

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>SUBSTANCE/PREPARATION</u>	SUBSTANCE
<u>CHEMICAL NAME OR GENERIC NAME</u>	Ethylene-acrylic acid copolymer
<u>CAS REGISTRY NUMBER</u>	9010-77-9
<u>CHEMICAL FORMULA</u>	$(CH_2-CH_2)_n(CH_2CHCOOH)_n$
<u>IMPURITIES CONTRIBUTING TO THE HAZARD</u>	None

3. HAZARDS IDENTIFICATION

<u>THE MOST IMPORTANT HAZARDS AND EFFECTS</u>	None
<u>PHYSICAL AND CHEMICAL HAZARDS</u>	Flammable at highly temperature.
<u>SPECIFIC HAZARDS</u>	None
<u>CLASSIFICATION</u>	Not listed in OSHA. Not listed in ACGIH.

4. FIRST-AID MEASURES

INHALATION

Remove the victim from the contamination immediately to fresh air. If breathing is weak, irregular or has stopped, open his airway, loosen his collar and belt and administer artificial respiration. And refer for medical attention.

SKIN CONTACT

Immediately flush skin with copious amount of soap water while removing powders from contaminated clothing and shoes.

EYE CONTACT

Immediately flush eyes with copious amount of clean water for at least 15 minutes and take medical treatment. Wash out mouth with water and take medical treatment.

INGESTION

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Water mist, dry chemical powder, foam or carbon dioxide.

SPECIFIC HAZARD WITH REGARD TO FIRE-FIGHTING MEASURES

Combustible dust causes irritation.

SPECIAL EQUIPMENT FOR THE PROTECTION OF FIREFIGHTERS

Wear protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Ensure suitable personal protection during remove of spilling.
None

ENVIRONMENTAL PRECAUTIONS
METHODS FOR CLEANING UP
RECOVERY

Sweep and gather with a broom, then place in a waste container.
Burn this material. Disposal should be in accordance with local, state or national legislation.

7. HANDLING AND STORAGE

Avoid contact with skin or eyes.
Avoid prolonged or repeated exposure. Wash thoroughly after handling.
Wear gloves, safety goggles, other protective clothing.
Make available in the work area local ventilation.
emergency shower and eyes wash.
Keep away from heat, sparks, flame and all other ignition sources. Take ground from equipments to remove static electricity of material.
Handle a container gently, and avoid strong impact.
None

PRECAUTIONS FOR SAFE HANDLING
SPECIFIC HANDLING ADVICE

STORAGE
TECHNICAL MEASURES
STORAGE CONDITIONS

None
Store in a cool dry, well-ventilated location. Protect
from direct sunlight. Keep away from humidity
Avoid contact with oxidant.
Stainless steel, Polyethylene etc.

SEPARATION FROM INCOMPATIBLE PRODUCTS
SAFE PACKAGING MATERIALS
RECOMMENDED

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Wear gloves, safety goggles, other protective clothing.
Make available in the work area local ventilation.
None
Not available
Not available

CONTROL PARAMETERS	LIMIT VALUE	BIOLOGICAL STANDARDS	PERSONAL PROTECTIVE EQUIPMENT	RESPIRATORY PROTECTION	HAND PROTECTION	EYE/FACE PROTECTION	SKIN AND BODY PROTECTION
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Dust masks
Chemical-resistant gloves
Safety goggles, face shields
Apron, impervious boots

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9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE
FORM
COLOUR
ODOUR
TEMPERATURE/TEMPERATURE RANGE OF CHANGING
IN PHYSICAL STATES
MELTING POINT
FLASH POINT
AUTOIGNITION TEMPERATURE
DENSITY
SOLUBILITY IN WATER

10. PHYSICAL HAZARD (STABILITY AND REACTIVITY)

STABILITY
POSSIBLE HAZARDOUS REACTIONS
CONDITIONS TO AVOID
MATERIALS TO AVOID
HAZARDOUS DECOMPOSITION PRODUCTS
Stable at room temperature.
Flammable at highly temperature.
Keep away from heat, sparks, flame and all other
ignition sources.
Avoid contact with oxidant.
Carbon monoxide, Carbon dioxide, Aldehyde etc.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY
LOCAL EFFECTS (Irritation)
CARCINOGENICITY
Not available
Not listed in OSHA, NTP.
Listed in IARC" (Group 3: Not classifiable)

12. ECOLOGICAL INFORMATION

MOBILITY
PERSISTENCE/DEGRADABILITY
BIOACCUMULATION
BEHAVIOR, IMPACT OR ECOTOXICITY
Not available
Not available
Not available

13. DISPOSAL CONSIDERATIONS

WASTE FROM RESIDUE
CONTAMINATED PACKAGING
Generally, burn this material. Disposal should be
in accordance with local, state or national
legislation.
Follow all regulations in your country.

14. TRANSPORT INFORMATION

INTERNATIONAL REGULATIONS
UN CLASSIFICATION
UN NUMBER
None
Not classified
None